

# Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td>3</td> </tr> <tr> <td>Fire Hazard</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	Health Hazard	3	Fire Hazard	1	Reactivity	1		
Health Hazard	3								
Fire Hazard	1								
Reactivity	1								

Revision Date 04/03/2012

Revision Number 5

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Rust and Iron Stain Remover

**Recommended Use** Cleaning agent.

**Supplier Address**

Whink Products Company  
 PO Box 230  
 1901 15th Ave., Eldora, IA, 50627  
 United States of America  
 Phone: 641.939.2353 Fax: 641.939.2485  
 Emergency Phone: 800.229.6036 CHEMTREC: 800.424.9300

**Company Emergency Phone Number** 800.321.9065

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

Severe eye irritation  
 Risk of serious damage to eyes  
 Product dust may be irritating to eyes, skin and respiratory system  
 Harmful if swallowed  
 Water reactive

**Appearance** White

**Physical State** Solid, Powder

**Odor** Sulfur

**Potential Health Effects**

**Principle Routes of Exposure** Skin contact, Ingestion.

**Acute Toxicity**

**Eyes** Avoid contact with eyes. Risk of serious damage to eyes. May cause burns. Severely irritating to eyes.  
**Skin** Avoid contact with skin. May cause irritation.  
**Inhalation** May cause irritation of respiratory tract.  
**Ingestion** Harmful if swallowed. Ingestion may cause irritation to mucous membranes.  
**Environmental Hazard** See Section 12 for additional Ecological Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium Metabisulfite	7681-57-4	10 - 30
Sodium Hydrosulfite	7775-14-6	25 - 45
Sodium Chloride (NaCl)	7647-14-5	25 - 45
Sodium Carbonate	497-19-8	2 - 10
Citric Acid	77-92-9	0.5 - 4

### 4. FIRST AID MEASURES

<b>General Advice</b>	Call 800.229.6036 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Eye Contact</b>	In case of contact with eyes, remove contacts if needed, immediately flush eyes with running water for at least 20 minutes. Get medical attention immediately if irritation persists.
<b>Skin Contact</b>	For minor skin contact, avoid spreading material on unaffected skin. Wash off immediately with plenty of water.
<b>Inhalation</b>	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Produces Sulfur Dioxide upon heating. Containers may rupture due to gas build-up when heated.	
<b>Flash Point</b>	Not determined.	
<b>Suitable Extinguishing Media</b>	Material will react with water to produce Sulfur Dioxide. Dry chemical, CO <sub>2</sub> , or sand. Water spray on surrounding fire only. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.	
<b>Uniform Fire Code</b>	<ul style="list-style-type: none"> <li>• Irritant: Solid</li> <li>• COMBUSTIBLE DUST/POWDER</li> </ul>	
<b>Hazardous Combustion Products</b>	Sulfur Dioxides	
<b>Explosion Data</b>		
<b>Sensitivity to mechanical impact</b>	Not sensitive	
<b>Sensitivity to static discharge</b>	Not sensitive	

**Protective Equipment and Precautions for Firefighters** In the event of a fire wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.  
**Health Hazard 3      Flammability 1      Stability 1      Physical and Chemical Hazards W**

## 6. ACCIDENTAL RELEASE MEASURES

**Methods for Containment** Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Methods for Cleaning Up** Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

**Other Information** DO NOT GET WATER INSIDE CONTAINERS.

## 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation.

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Measures**

- Showers
- Eyewash stations
- Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection** Tightly fitting safety goggles. Face-shield.

**Skin and Body Protection** Wear Chemical Resistant Gloves.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

**Hygiene Measures** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White	<b>Odor</b>	Sulfur.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Solid Powder
<b>pH</b>	No information available.	<b>Autoignition Temperature</b>	No information available.
<b>Flash Point</b>	No information available.	<b>Boiling Point/Range</b>	No information available.
<b>Decomposition Temperature</b>	No information available.	<b>Explosion Limits</b>	No information available.
<b>Melting Point/Range</b>	No information available.	<b>Solubility</b>	No information available.
<b>Flammability Limits in Air</b>	No information available.	<b>Vapor Pressure</b>	No data available.
<b>Water Solubility</b>	Appreciable (42g/100cc of water)	<b>VOC Content</b>	Not applicable.
<b>Evaporation Rate</b>	No information available.	<b>Partition Coefficient (n-octanol/water)</b>	No data available.
<b>Vapor Density</b>	No data available.		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Incompatible Products</b>	Water, acids, alkalis, sodium nitrate, oxidizers, aluminum powder and sodium chlorite.
<b>Conditions to Avoid</b>	Moisture, humidity, heat, flame, ignition sources and incompatibles.
<b>Hazardous Decomposition Products</b>	Emits sulfur oxide gases under fire conditions and in contact with water.
<b>Hazardous Reactions</b>	Reacts violently with water.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Signs and Symptoms of Overexposure</b>	Eye, Mouth, Nasal and Mucous Membrane irritation. Itching or burning of the skin.		
<b>Acute Effects</b>			
<b>Eyes</b>	May cause severe conjunctiva irritation and corneal damage. May cause burns.		
<b>Skin</b>	May cause irritation and allergic skin reaction.		
<b>Inhalation</b>	May cause irritation of respiratory tract and mucous membranes.		
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause irritation to gastrointestinal tract.		
<b>Target Organ Effects</b>	None known.		
<b>Chronic Toxicity</b>	Avoid repeated exposure.		
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.		
<b>Acute Toxicity Values</b>	Oral LD <sub>50</sub> (Rat) = Not Determined	Dermal LD <sub>50</sub> (Rabbit) = Not Determined	Inhalation LC <sub>50</sub> (Rat) = Not Determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

## 12. ECOLOGICAL INFORMATION

The environmental impact of this product has not been fully investigated

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

**Contaminated Packaging** Dispose of in accordance with local regulations

**California Hazardous Waste Codes** 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Hydrosulfite	Ignitable
Sodium Metabisulfite	Ignitable
Sodium Carbonate	Corrosive

## 14. TRANSPORT INFORMATION

### DOT

**Proper Shipping Name** Limited Quantity  
**Hazard Class** Limited Quantity  
**Description** Limited Quantity

### TDG

**Proper Shipping Name** Corrosive solid, n.o.s.  
**Hazard Class** 8  
**UN-No** UN1759  
**Packing Group** II  
**Description** CORROSIVE SOLID, N.O.S. (Sodium hydrosulfite), 8, UN1759, PG II

### MEX

**Proper Shipping Name** Corrosive solid, n.o.s.  
**Hazard Class** 8  
**UN-No** UN1759  
**Packing Group** II  
**Description** UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite),8,II

### ICAO

**UN-No** UN1759  
**Proper Shipping Name** Corrosive solid, n.o.s.  
**Hazard Class** 8  
**Packing Group** II  
**Description** Corrosive solid, n.o.s.(Sodium hydrosulfite ),8,UN1759,PG II

### IATA

**UN-No** UN1759  
**Proper Shipping Name** Corrosive solid, n.o.s.  
**Hazard Class** 8

**14. TRANSPORT INFORMATION**

<b>Packing Group</b>	II
<b>ERG Code</b>	8L
<b>Description</b>	UN1759, Corrosive solid, n.o.s.(Sodium hydrosulfite),8,PG II

**IMDG/IMO**

<b>Proper Shipping Name</b>	Corrosive solid, n.o.s.
<b>Hazard Class</b>	8
<b>Subsidiary Class</b>	+
<b>UN-No</b>	UN1759
<b>Packing Group</b>	II
<b>EmS No.</b>	F-A, S-B
<b>Description</b>	UN1759, Corrosive solid, n.o.s.(Sodium hydrosulfite ),8(+),PG II

**RID**

<b>Proper Shipping Name</b>	Corrosive solid, n.o.s.
<b>Hazard Class</b>	8
<b>UN-No</b>	UN1759
<b>Packing Group</b>	II
<b>Classification Code</b>	C10
<b>Description</b>	UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite),8,II,RID
<b>ADR/RID-Labels</b>	8

**ADR**

<b>Proper Shipping Name</b>	Corrosive solid, n.o.s.
<b>Hazard Class</b>	8
<b>UN-No</b>	UN1759
<b>Packing Group</b>	II
<b>Classification Code</b>	C10
<b>Description</b>	UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite),8,II

**ADN**

<b>Proper Shipping Name</b>	Corrosive solid, n.o.s.
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Classification Code</b>	C10
<b>Special Provisions</b>	274
<b>Description</b>	UN1759 Corrosive solid, n.o.s.(Sodium hydrosulfite),8,II
<b>Hazard Labels</b>	8
<b>Limited Quantity</b>	LQ23

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15. REGULATORY INFORMATION
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**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Does not Comply
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Does not Comply
<b>CHINA</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>PICCS</b>	Does not Comply
<b>AICS</b>	Does not Comply

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	Yes

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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## 15. REGULATORY INFORMATION Cont.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	MA	CA	PA	IL	RI	NJ	MN
Sodium Metabisulfite	X	X	X	N/A	N/A	X	X
Sodium Hydrosulfite	X	N/A	X	N/A	X	X	N/A

**International Regulations****Mexico - Grade**

Slight risk, Grade 1

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

E Corrosive material    F Dangerously reactive material    D2B Toxic materials



## 16. OTHER INFORMATION

Revision Date 04/03/2012

Revision Note Fith Revision

Prepared By:

Manufacturer's Technical Services Department

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**

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